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1982 Census of Construction  
Industries  
Preliminary Report Summary  
Series





# PRELIMINARY REPORT SUMMARY SERIES

# 1982 Census of Construction Industries

CC82-SUM-1(P)  
Issued April 1984

**For Reference**

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UNITED STATES  
(Industry Statistics)

Construction Industries and Subdividers and Developers

During 1982, the establishments with paid employees which were operating primarily as general contractors, operative builders, special trade contractors, or land subdividers and developers had business receipts of \$325.5 billion. Of this amount, \$312.8 billion were receipts for construction work. Their payments for construction work subcontracted to others amounted to \$77.0 billion leaving net construction receipts of about \$235.7 billion. Total average employment was 4,361,852 employees with total payroll of \$79.1 billion. Value added for 1982 was \$148.1 billion.

This report summarizes the data from the preliminary reports already published for each of the industries covered by the 1982 Census of Construction Industries. Establishments have been classified in construction industries in accordance with industry definitions described in the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



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**Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	447 887	4 361 852	3 530 968	79 121 058	60 596 465	5 929 582	312 772 997	235 725 677
15,16, 17	Construction industries -----	441 851	4 320 275	3 515 203	78 526 556	60 432 131	5 902 050	310 622 566	234 379 988
15	General building contractors and operative builders -----	121 266	1 066 529	822 063	17 594 918	12 162 529	1 391 756	114 752 892	60 617 973
152	General contractors, residential buildings:								
1521	Single-family houses -----	72 061	368 675	306 600	4 053 805	3 152 752	489 657	22 194 184	15 870 606
1522	Other residential buildings -----	7 570	65 518	52 478	1 134 540	802 867	91 476	8 100 812	3 716 447
1531	Operative builders -----	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	7 406	160 822	127 663	3 407 052	2 493 799	226 718	18 544 371	9 691 095
1542	Nonresidential buildings, n.e.c. -----	20 184	363 261	282 118	7 114 674	5 007 008	494 468	50 087 008	22 229 928
16	Heavy construction, general contractors -----	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 253
1611	Highway and street construction -----	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	997	37 174	32 112	790 611	646 365	57 312	3 337 551	2 660 909
1623	Water, sewer, and utility lines -----	9 313	188 537	162 020	3 601 173	2 924 482	306 669	12 067 366	10 575 253
1629	Heavy construction, n.e.c. -----	7 764	413 845	328 180	11 008 130	8 583 840	498 405	33 440 173	26 310 852
17	Special trade contractors -----	294 334	2 428 616	2 012 969	41 978 820	33 313 502	3 363 151	130 845 124	121 042 762
1711	Plumbing, heating, and air conditioning -----	59 830	510 871	396 772	9 857 470	7 474 250	699 797	32 613 083	28 803 193
1721	Painting, paper hanging, and decorating -----	24 880	137 142	122 246	1 893 954	1 603 793	193 592	4 726 046	4 465 501
1731	Electrical work -----	38 470	444 315	359 905	9 152 188	7 374 814	641 794	25 773 571	25 069 460
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	20 057	120 273	109 245	1 550 490	1 343 368	159 727	4 265 504	4 042 102
1742	Plastering, drywall, and insulation work -----	15 358	209 244	180 798	3 593 861	2 955 259	290 964	9 850 971	9 264 510
1743	Terrazzo, tile, marble, and mosaic work -----	3 860	25 219	21 518	381 719	304 357	33 810	1 180 599	1 148 786
175	Carpentering and flooring:								
1751	Carpentering -----	30 634	134 000	118 189	1 643 782	1 376 986	178 987	5 577 542	4 861 829
1752	Floor laying and other floorwork -----	6 763	32 697	25 702	503 598	369 391	41 424	1 825 097	1 728 073
1761	Roofing and sheet metal work -----	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work -----	19 884	177 763	155 253	2 590 246	2 113 339	250 439	9 669 402	8 714 913
1781	Water well drilling -----	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	3 692	63 086	53 848	1 340 588	1 097 047	87 067	3 617 661	3 305 235
1793	Glass and glazing work -----	3 864	36 517	26 900	708 983	501 997	46 989	2 461 724	2 402 851
1794	Excavating and foundation work -----	17 368	130 440	109 933	2 026 685	1 658 608	184 769	7 698 653	6 918 435
1795	Wrecking and demolition work -----	886	8 456	7 240	132 722	108 850	11 342	382 923	346 744
1796	Installing building equipment, n.e.c. -----	3 753	62 641	50 928	1 508 215	1 191 427	87 510	4 372 292	4 142 442
1799	Special trade contractors, n.e.c. -----	20 304	127 173	101 737	1 803 970	1 321 940	167 807	5 969 901	5 516 526
6552	Subdividers and developers, n.e.c. -----	6 036	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 689

†Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
148 135 157	96 961 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	
146 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
35 945 524	26 557 026	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
8 736 488	7 580 560	6 323 578	204 688	309 753	2 763 813	437 681	21 292 675	7 297 013	(W)	(W)	1	152
2 031 743	1 788 584	4 384 364	55 884	91 251	579 552	55 589	4 442 110	1 144 584	(W)	(W)	1	1521
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
6 006 115	3 969 200	8 853 275	165 546	168 489	1 719 274	202 070	12 855 514	4 257 546	(W)	(W)	(W)	154
13 421 726	9 381 486	27 857 079	378 807	458 619	4 751 130	311 588	27 137 768	7 112 256	(W)	(W)	(W)	1541
35 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1 420 581	1 386 821	676 642	78 608	86 675	996 616	38 093	2 247 284	962 687	1	(W)	(W)	162
7 104 801	3 661 607	1 492 112	466 420	488 235	4 808 802	198 354	9 361 092	5 522 719	(W)	(W)	(W)	1622
18 934 852	10 088 265	7 129 320	564 866	441 882	5 235 830	412 719	21 624 035	12 446 662	(W)	(W)	(W)	1623
75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	1629
16 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	17
3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1711
15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1721
2 663 038	1 442 256	223 401	51 317	72 555	839 425	152 167	3 775 368	2 416 694	1	(W)	1	1731
6 005 118	3 619 474	586 461	100 323	125 650	1 021 468	180 326	6 057 467	3 630 142	(W)	(W)	1	1741
660 991	507 918	31 813	9 247	13 878	116 888	22 324	766 114	443 049	1	1	4	1742
2 985 530	1 938 294	715 713	52 492	76 183	691 324	124 646	3 597 222	2 083 098	1	(W)	1	1743
929 017	858 870	97 024	19 330	19 306	171 478	40 990	1 616 932	823 659	1	1	3	1751
5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1752
5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1761
579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1771
2 424 996	989 928	312 426	83 897	69 952	708 004	47 166	1 803 301	1 184 420	(W)	(W)	1	1781
1 320 297	1 274 309	58 873	29 622	28 781	236 093	26 125	1 006 566	570 736	1	1	2	1791
5 235 403	1 993 128	780 218	406 102	394 949	4 807 214	104 092	4 215 722	2 993 648	1	(W)	1	1793
319 487	54 043	36 178	25 768	17 059	172 804	8 295	240 630	210 606	1	1	1	1794
3 080 076	1 130 330	229 849	44 988	49 073	458 664	40 474	1 899 047	1 385 046	(W)	(W)	1	1795
3 613 806	2 182 260	453 375	99 360	123 217	1 115 693	128 440	4 407 208	2 692 686	1	(W)	1	1796
1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	1799
												6552

**Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
<b>Total construction receipts</b> .....	<b>312 772 997</b>	<b>214 844 319</b>	<b>(W)</b>	<b>(W)</b>
Building construction .....	207 608 024	144 504 718	(W)	(W)
Single-family houses .....	52 966 936	56 752 902	(W)	(W)
Apartment buildings with two or more apartments .....	14 066 932	10 476 799	(W)	(W)
Other residential buildings .....	6 051 258	2 968 264	(W)	(W)
Industrial buildings and warehouses .....	42 889 091	27 264 478	(W)	(W)
Office and bank buildings .....	43 442 824	12 881 160	(W)	(W)
Farm buildings .....	1 590 685	1 477 332	2	1
Stores, restaurants, public garages, and automobile service stations .....	16 386 616	9 519 992	(W)	(W)
Religious buildings .....	2 648 916	2 176 653	1	1
Educational buildings .....	9 358 150	8 693 403	(W)	(W)
Hospitals and institutional buildings .....	13 794 775	9 508 925	(W)	(W)
Amusement, social, and recreational buildings .....	2 236 908	1 550 517	1	1
Other nonresidential buildings .....	2 174 933	1 234 292	1	1
Nonbuilding construction .....	79 521 533	59 798 755	(W)	(W)
Highways, streets, and related facilities .....	19 195 326	15 198 411	(W)	(W)
Outdoor swimming pools .....	511 702	931 725	3	2
Airports .....	104 965	63 883	3	3
Parking areas .....	413 812	217 567	2	3
Fencing .....	321 621	383 351	4	3
Bridges and elevated highways .....	3 565 714	2 651 375	(W)	(W)
Tunnels .....	1 073 713	290 878	(W)	1
Dam and reservoir construction .....	730 297	961 244	1	(W)
Marine construction .....	1 721 373	1 055 337	1	1
Harbor and port facilities .....	657 521	430 694	1	1
Conservation and development construction .....	1 089 437	1 322 162	2	2
Power and communication transmission lines, towers, and related facilities .....	4 445 300	2 782 351	(W)	1
Mass transit construction .....	1 910 150	1 267 435	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes .....	10 364 812	7 476 199	(W)	(W)
Power plants .....	14 044 063	8 214 553	(W)	(W)
Sewer, water mains, and related facilities .....	7 970 754	7 530 042	1	(W)
Pipe line, other than sewer or water lines .....	3 212 882	2 599 250	(W)	(W)
Sewage treatment and water treatment plants .....	4 117 106	3 861 759	(W)	(W)
Other nonbuilding construction .....	4 070 985	2 560 539	1	1
Construction work, n.s.k. ....	25 643 440	10 542 872	(W)	1

\*\*\*\*\*

The following abbreviations and symbols are used in the tables in this publication:

- \* Sampling error exceeds 40 percent.
- \*\* All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts".
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.





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146 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
35 945 524	26 557 026	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
8 736 488	7 580 560	6 323 578	204 688	309 753	2 763 813	437 681	21 292 675	7 297 013	(W)	(W)	1	152
2 031 743	1 788 584	4 384 364	55 884	91 251	579 552	55 589	4 442 110	1 144 584	(W)	(W)	1	1521
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
6 006 115	3 969 200	8 853 275	165 546	168 489	1 719 274	202 070	12 855 514	4 257 546	(W)	(W)	(W)	154
13 421 726	9 381 486	27 857 079	378 807	458 619	4 751 130	311 588	27 137 768	7 112 256	(W)	(W)	(W)	1541
35 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1 420 581	1 386 821	676 642	78 608	86 675	996 616	38 093	2 247 284	962 687	1	(W)	(W)	162
7 104 801	3 661 607	1 492 112	466 420	488 235	4 808 802	198 354	9 361 092	5 522 719	(W)	(W)	(W)	1622
18 934 852	10 088 265	7 129 320	564 866	441 882	5 235 830	412 719	21 624 035	12 446 662	(W)	(W)	(W)	1623
75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
16 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
2 663 038	1 442 256	223 401	51 317	72 555	839 425	152 167	3 775 368	2 416 694	1	(W)	1	174
6 005 118	3 619 474	586 461	100 323	125 650	1 021 468	180 326	6 057 467	3 630 142	(W)	(W)	1	1741
660 991	507 918	31 813	9 247	13 878	116 888	22 324	766 114	443 049	1	1	4	1742
2 985 530	1 938 294	715 713	52 492	76 183	691 324	124 646	3 597 222	2 083 098	1	(W)	1	175
929 017	858 870	97 024	19 330	19 306	171 478	40 990	1 616 932	823 659	1	1	3	1751
5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1752
5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1761
579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1771
2 424 996	989 928	312 426	83 897	69 952	708 004	47 166	1 803 301	1 184 420	(W)	(W)	1	1779
1 320 297	1 274 309	58 873	29 622	28 781	236 093	26 125	1 006 566	570 736	1	1	2	1791
5 235 403	1 993 128	780 218	406 102	394 949	4 807 214	104 092	4 215 722	2 993 648	1	(W)	1	1793
319 487	54 043	36 178	25 768	17 059	172 804	8 295	240 630	210 606	1	1	1	1794
3 080 076	1 130 330	229 849	44 988	49 073	458 664	40 474	1 899 047	1 385 046	(W)	(W)	1	1795
3 613 806	2 182 260	453 375	99 360	123 217	1 115 693	128 440	4 407 208	2 692 686	1	(W)	1	1796
1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	1799
												6552

**Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

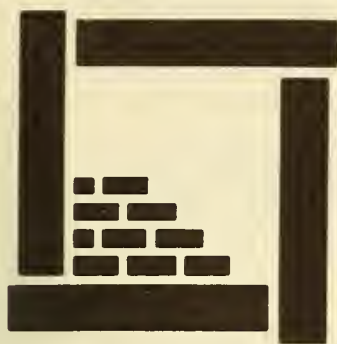
[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
<b>Total construction receipts</b> .....	<b>312 772 997</b>	<b>214 844 319</b>	<b>(W)</b>	<b>(W)</b>
<b>Building construction</b> .....	<b>207 608 024</b>	<b>144 504 718</b>	<b>(W)</b>	<b>(W)</b>
Single-family houses .....	52 966 936	56 752 902	(W)	(W)
Apartment buildings with two or more apartments .....	14 066 932	10 476 799	(W)	(W)
Other residential buildings .....	6 051 258	2 968 264	(W)	(W)
Industrial buildings and warehouses .....	42 889 091	27 264 478	(W)	(W)
Office and bank buildings .....	43 442 824	12 881 160	(W)	(W)
Farm buildings .....	1 590 685	1 477 332	2	1
Stores, restaurants, public garages, and automobile service stations .....	16 386 616	9 519 992	(W)	(W)
Religious buildings .....	2 648 916	2 176 653	1	1
Educational buildings .....	9 358 150	8 693 403	(W)	(W)
Hospitals and institutional buildings .....	13 794 775	9 508 925	(W)	(W)
Amusement, social, and recreational buildings .....	2 236 908	1 550 517	1	1
Other nonresidential buildings .....	2 174 933	1 234 292	1	1
<b>Nonbuilding construction</b> .....	<b>79 521 533</b>	<b>59 798 755</b>	<b>(W)</b>	<b>(W)</b>
Highways, streets, and related facilities .....	19 195 326	15 198 411	(W)	(W)
Outdoor swimming pools .....	511 702	931 725	3	2
Airports .....	104 965	63 883	3	3
Parking areas .....	413 812	217 567	2	3
Fencing .....	321 621	383 351	4	3
Bridges and elevated highways .....	3 565 714	2 651 375	(W)	(W)
Tunnels .....	1 073 713	290 878	(W)	1
Dam and reservoir construction .....	730 297	961 244	1	(W)
Marine construction .....	1 721 373	1 055 337	1	1
Harbor and port facilities .....	657 521	430 694	1	1
Conservation and development construction .....	1 089 437	1 322 162	2	2
Power and communication transmission lines, towers, and related facilities .....	4 445 300	2 782 351	(W)	1
Mass transit construction .....	1 910 150	1 267 435	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes .....	10 364 812	7 476 199	(W)	(W)
Power plants .....	14 044 063	8 214 553	(W)	(W)
Sewer, water mains, and related facilities .....	7 970 754	7 530 042	1	(W)
Pipe line, other than sewer or water lines .....	3 212 882	2 599 250	(W)	(W)
Sewage treatment and water treatment plants .....	4 117 106	3 861 759	(W)	(W)
Other nonbuilding construction .....	4 070 985	2 560 539	1	1
<b>Construction work, n.s.k.</b> .....	<b>25 643 440</b>	<b>10 542 872</b>	<b>(W)</b>	<b>1</b>

The following abbreviations and symbols are used in the tables in this publication:

- \* Sampling error exceeds 40 percent.
- \*\* All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts".
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.





PRELIMINARY REPORT  
SUMMARY SERIES

**1982**  
**Census of**  
**Construction Industries**

CC82-SUM-1(P)  
Issued April 1984

UNITED STATES  
(Industry Statistics)  
Construction Industries and Subdividers and Developers

During 1982, the establishments with paid employees which were operating primarily as general contractors, operative builders, special trade contractors, or land subdividers and developers had business receipts of \$325.5 billion. Of this amount, \$312.8 billion were receipts for construction work. Their payments for construction work subcontracted to others amounted to \$77.0 billion leaving net construction receipts of about \$235.7 billion. Total average employment was 4,361,852 employees with total payroll of \$79.1 billion. Value added for 1982 was \$148.1 billion.

This report summarizes the data from the preliminary reports already published for each of the industries covered by the 1982 Census of Construction Industries. Establishments have been classified in construction industries in accordance with industry definitions described in the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



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**Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	<b>Construction industries and subdividers and developers -----</b>	447 887	4 361 852	3 530 968	79 121 058	60 596 465	5 929 582	312 772 997	235 725 677
15,16, 17	<b>Construction industries -----</b>	441 851	4 320 275	3 515 203	78 526 556	60 432 131	5 902 050	310 622 566	234 379 988
15	<b>General building contractors and operative builders -----</b>	121 266	1 066 529	822 063	17 594 918	12 162 529	1 391 756	114 752 892	60 617 973
152	General contractors, residential buildings:								
1521	Single-family houses -----	72 061	368 675	306 600	4 053 805	3 152 752	489 657	22 194 184	15 870 606
1522	Other residential buildings -----	7 570	65 518	52 478	1 134 540	802 867	91 476	8 100 812	3 716 447
1531	Operative builders -----	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	7 406	160 822	127 663	3 407 052	2 493 799	226 718	18 544 371	9 691 095
1542	Nonresidential buildings, n.e.c. -----	20 184	363 261	282 118	7 114 674	5 007 008	494 468	50 087 008	22 229 928
16	<b>Heavy construction, general contractors -----</b>	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 253
1611	Highway and street construction -----	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	997	37 174	32 112	790 611	646 365	57 312	3 337 551	2 660 909
1623	Water, sewer, and utility lines -----	9 313	188 537	162 020	3 601 173	2 924 482	306 669	12 067 366	10 575 253
1629	Heavy construction, n.e.c. -----	7 764	413 845	328 180	11 008 130	8 583 840	498 405	33 440 173	26 310 852
17	<b>Special trade contractors -----</b>	294 334	2 428 616	2 012 969	41 978 820	33 313 502	3 363 151	130 845 124	121 042 762
1711	Plumbing, heating, and air conditioning -----	59 830	510 871	396 772	9 857 470	7 474 250	699 797	32 613 083	28 803 193
1721	Painting, paper hanging, and decorating -----	24 880	137 142	122 246	1 893 954	1 603 793	193 592	4 726 046	4 465 501
1731	Electrical work -----	38 470	444 315	359 905	9 152 188	7 374 814	641 794	25 773 571	25 069 460
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	20 057	120 273	109 245	1 550 490	1 343 368	159 727	4 265 504	4 042 102
1742	Plastering, drywall, and insulation work -----	15 358	209 244	180 798	3 593 861	2 955 259	290 964	9 850 971	9 264 510
1743	Terrazzo, tile, marble, and mosaic work -----	3 860	25 219	21 518	381 719	304 357	33 810	1 180 599	1 148 786
175	Carpentering and flooring:								
1751	Carpentering -----	30 634	134 000	118 189	1 643 782	1 376 986	178 987	5 577 542	4 861 829
1752	Floor laying and other floorwork -----	6 763	32 697	25 702	503 598	369 391	41 424	1 825 097	1 728 073
1761	Roofing and sheet metal work -----	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work -----	19 884	177 763	155 253	2 590 246	2 113 339	250 439	9 669 402	8 714 913
1781	Water well drilling -----	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	3 692	63 086	53 848	1 340 588	1 097 047	87 067	3 617 661	3 305 235
1793	Glass and glazing work -----	3 864	36 517	26 900	708 983	501 997	46 989	2 461 724	2 402 851
1794	Excavating and foundation work -----	17 368	130 440	109 933	2 026 685	1 658 608	184 769	7 698 653	6 918 435
1795	Wrecking and demolition work -----	886	8 456	7 240	132 722	108 850	11 342	382 923	346 744
1796	Installing building equipment, n.e.c. -----	3 753	62 641	50 928	1 508 215	1 191 427	87 510	4 372 292	4 142 442
1799	Special trade contractors, n.e.c. -----	20 304	127 173	101 737	1 803 970	1 321 940	167 807	5 969 901	5 516 526
6552	<b>Subdividers and developers, n.e.c. -----</b>	6 036	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 689

†Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
148 135 157	96 961 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	
146 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
35 945 524	26 557 026	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
8 736 488	7 580 560	6 323 578	204 688	309 753	2 763 813	437 681	21 292 675	7 297 013	(W)	(W)	1	152
2 031 743	1 788 584	4 384 364	55 884	91 251	579 552	55 589	4 442 110	1 144 584	(W)	(W)	1	1522
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
6 006 115	3 969 200	8 853 275	165 546	168 489	1 719 274	202 070	12 855 514	4 257 546	(W)	(W)	(W)	154
13 421 726	9 381 486	27 857 079	378 807	458 619	4 751 130	311 588	27 137 768	7 112 256	(W)	(W)	(W)	1542
35 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1 420 581	1 386 821	676 642	78 608	86 675	996 616	38 093	2 247 284	962 687	1	(W)	(W)	162
7 104 801	3 661 607	1 492 112	466 420	488 235	4 808 802	198 354	9 361 092	5 522 719	(W)	(W)	(W)	1622
18 934 852	10 088 265	7 129 320	564 866	441 882	5 235 830	412 719	21 624 035	12 446 662	(W)	(W)	(W)	1623
									(W)	(W)	(W)	1629
75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
16 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
												174
2 663 038	1 442 256	223 401	51 317	72 555	839 425	152 167	3 775 368	2 416 694	1	(W)	1	1741
6 005 118	3 619 474	586 461	100 323	125 650	1 021 468	180 326	6 057 467	3 630 142	(W)	(W)	1	1742
660 991	507 918	31 813	9 247	13 878	116 888	22 324	766 114	443 049	1	1	4	1743
												175
2 985 530	1 938 294	715 713	52 492	76 183	691 324	124 646	3 597 222	2 083 098	1	(W)	1	1751
929 017	858 870	97 024	19 330	19 306	171 478	40 990	1 616 932	823 659	1	1	3	1752
5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1761
5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1771
579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1781
												179
2 424 996	989 928	312 426	83 897	69 952	708 004	47 166	1 803 301	1 184 420	(W)	(W)	1	1791
1 320 297	1 274 309	58 873	29 622	28 781	236 093	26 125	1 006 566	570 736	1	1	2	1793
5 235 403	1 993 128	780 218	406 102	394 949	4 807 214	104 092	4 215 722	2 993 648	1	(W)	1	1794
319 487	54 043	36 178	25 768	17 059	172 804	8 295	240 630	210 606	1	1	1	1795
3 080 076	1 130 330	229 849	44 988	49 073	458 664	40 474	1 899 047	1 385 046	(W)	(W)	1	1796
3 613 806	2 182 260	453 375	99 360	123 217	1 115 693	128 440	4 407 208	2 692 686	1	(W)	1	1799
1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	6552

**Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

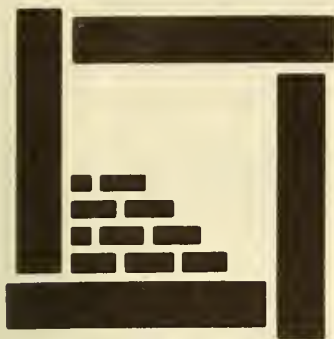
Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
<b>Total construction receipts</b> .....	<b>312 772 997</b>	<b>214 844 319</b>	<b>(W)</b>	<b>(W)</b>
<b>Building construction</b> .....	<b>207 608 024</b>	<b>144 504 718</b>	<b>(W)</b>	<b>(W)</b>
Single-family houses .....	52 966 936	56 752 902	(W)	(W)
Apartment buildings with two or more apartments .....	14 066 932	10 476 799	(W)	(W)
Other residential buildings .....	6 051 258	2 968 264	(W)	(W)
Industrial buildings and warehouses .....	42 889 091	27 264 478	(W)	(W)
Office and bank buildings .....	43 442 824	12 881 160	(W)	(W)
Farm buildings .....	1 590 685	1 477 332	2	1
Stores, restaurants, public garages, and automobile service stations .....	16 386 616	9 519 892	(W)	(W)
Religious buildings .....	2 648 916	2 176 653	1	1
Educational buildings .....	9 358 150	8 693 403	(W)	(W)
Hospitals and institutional buildings .....	13 794 775	9 508 925	(W)	(W)
Amusement, social, and recreational buildings .....	2 236 908	1 550 517	1	1
Other nonresidential buildings .....	2 174 933	1 234 292	1	1
<b>Nonbuilding construction</b> .....	<b>79 521 533</b>	<b>59 798 755</b>	<b>(W)</b>	<b>(W)</b>
Highways, streets, and related facilities .....	19 195 326	15 198 411	(W)	(W)
Outdoor swimming pools .....	511 702	931 725	3	2
Airports .....	104 965	63 883	3	3
Parking areas .....	413 812	217 567	2	3
Fencing .....	321 621	383 351	4	3
Bridges and elevated highways .....	3 565 714	2 651 375	(W)	(W)
Tunnels .....	1 073 713	290 878	(W)	1
Dam and reservoir construction .....	730 297	961 244	1	(W)
Marine construction .....	1 721 373	1 055 337	1	1
Harbor and port facilities .....	657 521	430 694	1	1
Conservation and development construction .....	1 089 437	1 322 162	2	2
Power and communication transmission lines, towers, and related facilities .....	4 445 300	2 782 351	(W)	1
Mass transit construction .....	1 910 150	1 267 435	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes .....	10 364 812	7 476 199	(W)	(W)
Power plants .....	14 044 063	8 214 553	(W)	(W)
Sewer, water mains, and related facilities .....	7 970 754	7 530 042	1	(W)
Pipe line, other than sewer or water lines .....	3 212 882	2 599 250	(W)	(W)
Sewage treatment and water treatment plants .....	4 117 106	3 861 759	(W)	(W)
Other nonbuilding construction .....	4 070 985	2 560 539	1	1
Construction work, n.s.k. ....	25 643 440	10 542 872	(W)	1

\*\*\*\*\*

The following abbreviations and symbols are used in the tables in this publication:

- \* Sampling error exceeds 40 percent.
- \*\* All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531, 6552, land receipts are also subtracted from "all business receipts".
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
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PRELIMINARY REPORT  
SUMMARY SERIES

1982  
Census of  
Construction Industries

CC82-SUM-1(P)  
Issued April 1984

UNITED STATES  
(Industry Statistics)  
Construction Industries and Subdividers and Developers

During 1982, the establishments with paid employees which were operating primarily as general contractors, operative builders, special trade contractors, or land subdividers and developers had business receipts of \$325.5 billion. Of this amount, \$312.8 billion were receipts for construction work. Their payments for construction work subcontracted to others amounted to \$77.0 billion leaving net construction receipts of about \$235.7 billion. Total average employment was 4,361,852 employees with total payroll of \$79.1 billion. Value added for 1982 was \$148.1 billion.

This report summarizes the data from the preliminary reports already published for each of the industries covered by the 1982 Census of Construction Industries. Establishments have been classified in construction industries in accordance with industry definitions described in the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



U.S. Department  
of Commerce  
BUREAU OF  
THE CENSUS

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

**Table 1. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
15,16, 17	Construction industries and subdividers and developers -----	447 887	4 361 852	3 530 968	79 121 058	60 596 465	5 929 582	312 772 997	235 725 677
	Construction industries -----	441 851	4 320 275	3 515 203	78 526 556	60 432 131	5 902 050	310 622 566	234 379 988
15	General building contractors and operative builders -----	121 266	1 066 529	822 063	17 594 918	12 162 529	1 391 756	114 752 892	60 617 973
152	General contractors, residential buildings:								
1521	Single-family houses -----	72 061	368 675	306 600	4 053 805	3 152 752	489 657	22 194 184	15 870 606
1522	Other residential buildings -----	7 570	65 518	52 478	1 134 540	802 867	91 476	8 100 812	3 716 447
1531	Operative builders -----	14 045	108 253	53 204	1 884 747	706 103	89 437	15 826 517	9 109 897
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	7 406	160 822	127 663	3 407 052	2 493 799	226 718	18 544 371	9 691 095
1542	Nonresidential buildings, n.e.c. -----	20 184	363 261	282 118	7 114 674	5 007 008	494 468	50 087 008	22 229 928
16	Heavy construction, general contractors -----	26 251	825 130	680 171	18 952 818	14 956 100	1 147 141	65 024 550	52 719 253
1611	Highway and street construction -----	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	997	37 174	32 112	790 611	646 365	57 312	3 337 551	2 660 909
1623	Water, sewer, and utility lines -----	9 313	188 537	162 020	3 601 173	2 924 482	306 669	12 067 366	10 575 253
1629	Heavy construction, n.e.c. -----	7 764	413 845	328 180	11 008 130	8 583 840	498 405	33 440 173	26 310 852
17	Special trade contractors -----	294 334	2 428 616	2 012 969	41 978 820	33 313 502	3 363 151	130 845 124	121 042 762
1711	Plumbing, heating, and air conditioning -----	59 830	510 871	396 772	9 857 470	7 474 250	699 797	32 613 083	28 803 193
1721	Painting, paper hanging, and decorating -----	24 880	137 142	122 246	1 893 954	1 603 793	193 592	4 726 046	4 465 501
1731	Electrical work -----	38 470	444 315	359 905	9 152 188	7 374 814	641 794	25 773 571	25 069 460
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	20 057	120 273	109 245	1 550 490	1 343 368	159 727	4 265 504	4 042 102
1742	Plastering, drywall, and insulation work -----	15 358	209 244	180 798	3 593 861	2 955 259	290 964	9 850 971	9 264 510
1743	Terrazzo, tile, marble, and mosaic work -----	3 860	25 219	21 518	381 719	304 357	33 810	1 180 599	1 148 786
175	Carpentering and flooring:								
1751	Carpentering -----	30 634	134 000	118 189	1 643 782	1 376 986	178 987	5 577 542	4 861 829
1752	Floor laying and other floorwork -----	6 763	32 697	25 702	503 598	369 391	41 424	1 825 097	1 728 073
1761	Roofing and sheet metal work -----	21 215	191 526	158 980	3 039 900	2 327 076	261 675	9 841 143	9 323 164
1771	Concrete work -----	19 884	177 763	155 253	2 590 246	2 113 339	250 439	9 669 402	8 714 913
1781	Water well drilling -----	3 516	17 253	13 775	250 449	191 000	25 458	1 019 012	988 998
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	3 692	63 086	53 848	1 340 588	1 097 047	87 067	3 617 661	3 305 235
1793	Glass and glazing work -----	3 864	36 517	26 900	708 983	501 997	46 989	2 461 724	2 402 851
1794	Excavating and foundation work -----	17 368	130 440	109 933	2 026 685	1 658 608	184 769	7 698 653	6 918 435
1795	Wrecking and demolition work -----	886	8 456	7 240	132 722	108 850	11 342	382 923	346 744
1796	Installing building equipment, n.e.c. -----	3 753	62 641	50 928	1 508 215	1 191 427	87 510	4 372 292	4 142 442
1799	Special trade contractors, n.e.c. -----	20 304	127 173	101 737	1 803 970	1 321 940	167 807	5 969 901	5 516 526
6552	Subdividers and developers, n.e.c. -----	6 036	41 577	15 765	594 502	164 334	27 534	2 150 431	1 345 688

†Land receipts for SIC 1531 were \$2,632,242; for SIC 6552 were \$1,058,661.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
148 135 157	96 961 653	77 047 308	4 515 654	5 294 939	57 564 266	4 272 659	214 844 319	98 863 653	(W)	(W)	(W)	
146 978 736	96 518 703	76 242 566	4 496 844	5 216 013	56 296 126	4 233 658	213 032 139	98 116 143	(W)	(W)	(W)	15,16, 17
35 945 524	26 557 026	54 134 915	902 442	1 289 534	13 111 830	1 180 747	85 540 339	25 040 430	(W)	(W)	1	15
8 736 488	7 580 560	6 323 578	204 688	309 753	2 763 813	437 681	21 292 675	7 297 013	(W)	(W)	1	152
2 031 743	1 788 584	4 384 364	55 884	91 251	579 552	55 589	4 442 110	1 144 584	(W)	(W)	1	1521
5 749 452	3 837 196	6 716 619	97 517	261 422	3 298 061	173 819	19 812 272	5 229 031	(W)	(W)	(W)	1531
6 006 115	3 969 200	8 853 275	165 546	168 489	1 719 274	202 070	12 855 514	4 257 546	(W)	(W)	(W)	154
13 421 726	9 381 486	27 857 079	378 807	458 619	4 751 130	311 588	27 137 768	7 112 256	(W)	(W)	(W)	1541
35 200 689	21 354 457	12 305 295	1 665 106	1 602 710	19 135 830	917 083	48 253 618	26 573 286	(W)	(W)	(W)	16
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	1611
1 420 581	1 386 821	676 642	78 608	86 675	996 616	38 093	2 247 284	962 687	1	(W)	(W)	162
7 104 801	3 661 607	1 492 112	466 420	488 235	4 808 802	198 354	9 361 092	5 522 719	(W)	(W)	(W)	1622
18 934 852	10 088 265	7 129 320	564 866	441 882	5 235 830	412 719	21 624 035	12 446 662	(W)	(W)	(W)	1623
75 832 523	48 607 220	9 802 356	1 929 296	2 323 769	24 048 466	2 135 828	79 238 182	46 502 427	(W)	(W)	1	17
16 933 312	12 724 731	3 809 889	363 915	437 249	4 560 201	458 687	21 072 098	10 681 068	(W)	(W)	(W)	1711
3 414 612	1 087 274	260 545	64 902	92 220	731 275	133 106	3 171 129	2 362 004	(W)	(W)	1	1721
15 142 057	10 439 371	704 110	238 316	368 380	3 725 200	356 591	14 221 277	8 748 490	(W)	(W)	(W)	1731
2 663 038	1 442 256	223 401	51 317	72 555	839 425	152 167	3 775 368	2 416 694	1	(W)	1	174
6 005 118	3 619 474	586 461	100 323	125 650	1 021 468	180 326	6 057 467	3 630 142	(W)	(W)	1	1741
660 991	507 918	31 813	9 247	13 878	116 888	22 324	766 114	443 049	1	1	4	1742
2 985 530	1 938 294	715 713	52 492	76 183	691 324	124 646	3 597 222	2 083 098	1	(W)	1	175
929 017	858 870	97 024	19 330	19 306	171 478	40 990	1 616 932	823 659	1	1	3	1751
5 465 642	4 051 748	517 978	109 545	157 061	1 390 926	171 931	6 200 390	3 420 412	(W)	(W)	1	1752
5 059 252	3 886 482	954 489	218 913	244 238	2 774 327	118 116	4 097 293	2 227 880	(W)	(W)	(W)	1761
579 889	426 804	30 014	11 259	34 018	527 482	22 352	1 090 418	628 789	2	2	5	1771
2 424 996	989 928	312 426	83 897	69 952	708 004	47 166	1 803 301	1 184 420	(W)	(W)	1	1781
1 320 297	1 274 309	58 873	29 622	28 781	236 093	26 125	1 006 566	570 736	1	1	2	1791
5 235 403	1 993 128	780 218	406 102	394 949	4 807 214	104 092	4 215 722	2 993 648	1	(W)	1	1793
319 487	54 043	36 178	25 768	17 059	172 804	8 295	240 630	210 606	1	1	1	1794
3 080 076	1 130 330	229 849	44 988	49 073	458 664	40 474	1 899 047	1 385 046	(W)	(W)	1	1795
3 613 806	2 182 260	453 375	99 360	123 217	1 115 693	128 440	4 407 208	2 692 686	1	(W)	1	1796
1 156 421	442 950	804 742	18 810	78 926	1 268 140	39 001	1 812 184	747 516	1	1	1	1799



**Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
<b>Total construction receipts</b> .....	<b>312 772 997</b>	<b>214 844 319</b>	<b>(W)</b>	<b>(W)</b>
Building construction .....	207 608 024	144 504 718	(W)	(W)
Single-family houses .....	52 966 936	56 752 902	(W)	(W)
Apartment buildings with two or more apartments .....	14 066 932	10 476 799	(W)	(W)
Other residential buildings .....	6 051 258	2 968 264	(W)	(W)
Industrial buildings and warehouses .....	42 889 091	27 264 478	(W)	(W)
Office and bank buildings .....	43 442 824	12 881 160	(W)	(W)
Farm buildings .....	1 590 685	1 477 332	2	1
Stores, restaurants, public garages, and automobile service stations .....	16 386 616	9 519 992	(W)	(W)
Religious buildings .....	2 648 916	2 176 653	1	1
Educational buildings .....	9 358 150	8 693 403	(W)	(W)
Hospitals and institutional buildings .....	13 794 775	9 508 925	(W)	(W)
Amusement, social, and recreational buildings .....	2 236 908	1 550 517	1	1
Other nonresidential buildings .....	2 174 933	1 234 292	1	1
Nonbuilding construction .....	79 521 533	59 798 755	(W)	(W)
Highways, streets, and related facilities .....	19 195 326	15 198 411	(W)	(W)
Outdoor swimming pools .....	511 702	931 725	3	2
Airports .....	104 965	63 883	3	3
Parking areas .....	413 812	217 567	2	3
Fencing .....	321 621	383 351	4	3
Bridges and elevated highways .....	3 565 714	2 651 375	(W)	(W)
Tunnels .....	1 073 713	290 878	(W)	1
Dam and reservoir construction .....	730 297	961 244	1	(W)
Marine construction .....	1 721 373	1 055 337	1	1
Harbor and port facilities .....	657 521	430 694	1	1
Conservation and development construction .....	1 089 437	1 322 162	2	2
Power and communication transmission lines, towers, and related facilities .....	4 445 300	2 782 351	(W)	1
Mass transit construction .....	1 910 150	1 267 435	(W)	1
Blast furnaces, petroleum refineries, and chemical complexes .....	10 364 812	7 476 199	(W)	(W)
Power plants .....	14 044 063	8 214 553	(W)	(W)
Sewer, water mains, and related facilities .....	7 970 754	7 530 042	1	(W)
Pipe line, other than sewer or water lines .....	3 212 882	2 599 250	(W)	(W)
Sewage treatment and water treatment plants .....	4 117 106	3 861 759	(W)	(W)
Other nonbuilding construction .....	4 070 985	2 560 539	1	1
Construction work, n.s.k. ....	25 643 440	10 542 872	(W)	1

\*\*\*\*\*

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- \* Sampling error exceeds 40 percent.
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- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
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